

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-13-77			
Company Kirby Exploration Company						Connection			
Pool Nipp Pictured Cliff						Formation Pictured Cliff			
Completion Date 6-10-77		Total Depth 1253		Plug Back TD 1130		Elevation 59316		Farm or Lease Name Fusselman Federal	
Csg. Size 4 1/2	Wt. 10.5	d	Set At 1223	Perforations: 1086 To 1092		Well No. 2			
Thg. Size 2 3/8	Wt. 4.7	d	Set At 989	Perforations: From 1098 To 1105		Unit D		Sec. 17	Twp. 26N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At none		County San Juan	
Producing Thru tubing		Reservoir Temp. °F 80 @ 1250		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g 0.620	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	2x6x0.75			11	-	-	11	73	17	-	3 Hrs.
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.	11	-	22	0.9877	01.270	1.020	310
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.	.021	533	1.47	0.992	NA	
2.						
3.						
4.						
5.						

NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.		17	289	52152	1.0055	1.0047
2.						
3.						
4.						
5.						

Absolute Open Flow				311	Mcf/d @ 15.025	Angle of Slope	0.85
Remarks:							

Approved By Commission:	Conducted By: Wendell Durrett	Calculated By: J. D. Hicks	Checked By: William T. Jones
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